EDUCAUSE Almanac for Core Data Service

March 2017

All Public Master’s Institutions
(Carnegie Basic Classification 2010)
Number of 2016 CDS participants: 125

In the summer of 2016, 3,500 institutions were invited to contribute data to the EDUCAUSE Core Data Service (CDS). This almanac summarizes data from a subset of responding institutions. Some publicly available data from the Integrated Postsecondary Education Data System (IPEDS, nces.ed.gov/ipeds/) are used in calculating metrics. Reported statistics are either an estimated proportion of the population or an estimated median (rather than a mean). CDS participants can access data at www.educause.edu/coredata; non-participants can access other CDS resources at this site.

CENTRAL IT FUNDING

65% Ongoing base funds available as a percentage of total central IT funds available at institutions reporting any ongoing base funds available

24% Student technology fee funds available as a percentage of total central IT funds available at institutions reporting any student technology fee funds available

5% Compensation paid from another source as a percentage of total central IT funds available at institutions reporting any compensation paid from another source

8% Fee-based/cost-recovery funds available as a percentage of total central IT funds available at institutions reporting any fee-based/cost-recovery funds available

6% One-time funds available as a percentage of total central IT funds available at institutions reporting any one-time funds available

10% Carryover funds available as a percentage of total central IT funds available at institutions reporting any carryover funds available

77% Institutions with a designated student technology fee

$199 Student technology fee revenue generated for the entire institution per student FTE

95% Percentage of student technology fee funds allocated to central IT out of total student technology fee revenue generated for the institution

CENTRAL IT SPENDING

$822 Total central IT spending per institutional FTE (students, faculty, and staff)

$7,115 Total central IT spending per institutional employee FTE (faculty and staff)

$938 Total central IT spending per student FTE

$1,026 Central IT spending on professional development per central IT staff FTE

4.8% Total central IT spending as a percentage of institutional expenses

58% Percentage of institutions with a 5% or greater increase in total central IT spending

28% Percentage of institutions with a 5% or greater decrease in total central IT spending

Central IT spending by type (as a percentage of total central IT spending):

57% Ongoing compensation

0% Fixed-term labor

1% Professional development

28% In-house infrastructure and services

4% External providers

Central IT spending by domain (as a percentage of total central IT spending):

10% Administration and management of IT

13% Support services

10% Educational technology services

0% Research computing services

10% Communications infrastructure services

17% Enterprise infrastructure and services

3% Information security

18% Information systems and applications

80% Percentage of total central IT spending on running the institution

10% Percentage of total central IT spending on growing the institution

6% Percentage of total central IT spending on transforming the institution

CENTRAL IT STAFFING

58% Institutions whose highest-ranking IT officer is on presidential cabinet

4.1% Central IT staff FTEs as a percentage of institutional employee FTEs

23% Student worker FTEs as a percentage of total central IT FTEs

7.1 Central IT FTEs per 1,000 institutional FTEs

0.6 Central IT administration and management of IT FTEs per 1,000 institutional FTEs

2.3 Central IT support services FTEs per 1,000 institutional FTEs

1.0 Central IT educational technology services FTEs per 1,000 institutional FTEs

0.0 Central IT research computing services FTEs per 1,000 institutional FTEs

0.5 Central IT communications infrastructure services FTEs per 1,000 institutional FTEs

0.8 Central IT enterprise infrastructure and services FTEs per 1,000 institutional FTEs

0.2 Central IT information security FTEs per 1,000 institutional FTEs

1.1 Central IT information systems and applications FTEs per 1,000 institutional FTEs
DISTRIBUTED IT

30% Percentage of institutions with less than 75% centralization of IT expenditures
* Distributed IT spending per institutional FTE at institutions with less than 75% centralization of IT expenditures
* Distributed IT spending as a percentage of total institutional IT expenditures at institutions with less than 75% centralization of IT expenditures

23% Percentage of institutions with less than 75% centralization of IT staff
* Distributed IT FTEs per 1,000 institutional FTEs at institutions with less than 75% centralization of IT staff
* Distributed IT staff FTEs as a percentage of total institutional IT staff FTEs at institutions with less than 75% centralization of IT staff

EDUCATIONAL TECHNOLOGY SERVICES

12 Student FTEs per lab/cluster workstation provided by central IT
94 Student FTEs per virtual lab/cluster workstation provided by central IT
469 Student FTEs per kiosk workstation provided by central IT
170 Student FTEs per laptop/tablet provided by central IT for checkout or loan

93% Institutions with collaborative spaces
71% Institutions with team-based classrooms
42% Institutions with makerspaces

Most common teaching and learning support services:
- Classroom technology and support for faculty (100%)
- Faculty individual training in use of educational technology (100%)
- Instructional technologists to assist faculty and instructional designers with integration of IT into teaching and learning (100%)
- Learning management training and support for faculty (100%)
- Online educational technology and support for faculty and students (100%)
- Technology-enhanced spaces (100%)

Most commonly achieved e-learning practices:
- E-learning technology delivery systems considered mission critical (95%)
- Highly reliable e-learning technology delivery systems (93%)
- Most e-learning technology services supported through a centralized system (91%)

Most commonly deployed e-learning technologies:
- Full-function online learning delivery system (97%)
- Collaboration tools for learning (94%)
- Real-time web- or videoconferencing online learning environment (90%)
- Student evaluation of teaching effectiveness (90%)

Most commonly deployed student success technologies:
- Degree audit (93%)
- Credit transfer/articulation system (71%)
- Advising center management (67%)

Classroom technologies most likely to be deployed soon:
- Wireless projection (44%)
- Automated lecture capture systems (24%)
- Interactive monitoring (e.g., SMART Podiums) (17%)
- Remote monitoring for technical support (17%)

INFORMATION SECURITY

38% Percentage of institutions with a dedicated person whose primary responsibility is information security
75% Institutions that have conducted any sort of IT security risk assessment
30% Institutions that have conducted an IT security risk assessment of cloud service or third-party providers

Most commonly achieved information security practices:
- Acceptable use policy defining the misuse of institutional IT resources and data (99%)
- Data backup process consistent with availability requirements (84%)
- Participation in local or national security groups (80%)
- Authorization system that enforces time-limit lockout on login failure (80%)

Most commonly deployed information security systems and technologies:
- Malware protection (97%)
- Secure remote access (96%)
- Secure wireless access (93%)

68% Institutions that are members of an authentication federation (e.g., InCommon)
45% Institutions using multifactor authentication

INFORMATION SYSTEMS AND APPLICATIONS

Systems most commonly vendor managed (SaaS):
- E-mail: student (67%)
- E-mail: faculty/staff (44%)
- Learning management (41%)

Systems most likely to be replaced in the next three years:
- IT service desk management (28%)
- Customer relationship management (25%)
- Data warehouse (23%)

Systems most commonly mobile friendly:
- E-mail: student (69%)
- E-mail: faculty/staff (66%)
- Learning management (60%)

* Sample size of fewer than 15 institutions